THE COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

FRAMINGHAM EXTENSION RELIEF SEWER
REQUEST FOR DETERMINATION OF APPLICABILITY
UNDER THE INTERBASIN TRANSFER ACT

WRC DECISION
OCTOBER 12, 1995

On August 10, 1995, the Water Resources Commission (WRC) received a request for a determination of applicability under the Interbasin Transfer Act from the Massachusetts Water Resources Authority (MWRA) for the Framingham Extension Relief Sewer (FERS) project. This project will result in a net increase in transfer of 0.9 mgd of wastewater from the Chicopee and Nashua basins to the Massachusetts Coastal basin.

On December 12, 1988, as part of its approval of the MWRA's Wellesley Extension Sewer Repair project Interbasin Transfer request, the WRC reviewed the Framingham Extension Relief Sewer and approved an increase in capacity for the FERS that is four times the amount of the present request under this determination of applicability. This review included addressing the impacts on the Chicopee (Quabbin Reservoir) and Nashua (Wachusetts Reservoir) River Basins, the two basins from which the project causes a net transfer out of basin. The conditions of the Wellesley Extension Sewer Repair Project approval also applied to the Framingham Extension Relief Sewer portion of the overall sewer system. Over the past seven years, the MWRA has demonstrated its commitment to meet those conditions.

The project was discussed at the September 14, 1995 WRC meeting. At its October 12, 1995 meeting, the Water Resources Commission voted unanimously that the Framingham Extension Relief Sewer project was reviewed sufficiently under the Interbasin Transfer Act as part of the 1988 Wellesley Extension Sewer Repair Project Review and **because of this earlier review and because of the reduction of projected increased flows from 3.6 mgd to 0.9 mgd, the Interbasin Transfer Act is not applicable to this project.**

THE COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

To: Water Resources Commission
From: Staff
Date: 14 November 2002
Subject: 1995 Framingham Extension Relief Sewer Interbasin Transfer Decision

On October 12, 1995, the Water Resources Commission (WRC) voted unanimously that the MWRA's Framingham Extension Relief Sewer (FERS) project was reviewed sufficiently under the Interbasin Transfer Act as part of the 1988 Wellesley Extension Sewer Repair Project Review and therefore was not subject to additional review under the Interbasin Transfer Act. The WRC found that the FERS project resulted in a reduction in the originally projected increase in interbasin transfer flow from 3.6 mgd to 0.9 mgd.

In its Request for Determination of Applicability to the WRC, the MWRA indicated that 1.24 mgd would be transferred from local sources within the Concord River basin. This would be partially offset by Infiltration and Inflow (I/I) removal within that basin.

In 2001, JPI, a developer, filed an EIR for a proposed rental apartment community (Jefferson at Ashland Station). This development will generate 130,000 gpd of wastewater from the Concord River basin to be transferred as wastewater to the Massachusetts Coastal basin via the FERS. In addition, up to 40,000 gpd could be transferred by an associated rail transit district.

In its comments on the EIR for this project, the Water Resources Commission requested that, in order to avoid an increase in the amount of interbasin transfer from the Concord River Basin through this sewer, JPI balance the incremental wastewater flows from this development in Ashland with an equal amount of I/I removal (see attached letter).

JPI has informed the WRC that it has entered into a legally binding agreement with the City of Framingham, whereby JPI will provide funding to remove sources of I/I within the Concord River basin in Framingham to offset the wastewater flow generated from the Jefferson at Ashland Station and associated rail transit district developments. Framingham will transfer the equivalent wastewater capacity (170,000 gpd) to Ashland, for use by this development.

The agreement between Framingham and JPI results in a balance between the amount of flow leaving the Concord River basin as wastewater and being returned through I/I removal. Implementation of this agreement and construction of the Jefferson at Ashland project does not cause in an increase in the overall capacity of the FERS. Therefore the discharge of wastewater from the Jefferson at Ashland project and associated rail transit district to the MWRA sewerage system through the Ashland wastewater system does not affect the WRC's 1995 Decision on the Framingham Extension Relief Sewer.

Table 1 of the 1995 Staff Recommendation on the Request for Determination of Applicability for the Framingham Extension Relief Sewer has been amended to reflect the agreement between JPI and Framingham. The amended table is attached here and will be used in any future reviews of potential Interbasin Transfers of wastewater through the Framingham Extension Relief Sewer. For comparison, the original Table 1 from the Staff Recommendation is also included.

Table 1
Draft AMENDED November 2002[1]
Framingham Extension Relief Sewer
Request for Determination of Applicability

1995 FERS Net IBT Request Amended to Reflect the Agreement Between JPI and Framingham
(in mgd)

	1984 Peak Flows			2020 Peak Flow Capacity				
	Peak Sanitary Flow	Peak I/I	Total Peak Flow	Peak Sanitary Flow	I/I Removal	Peak I/I Flow	Total Peak Flow	Change in IBT 1984 to 2020
Ashland	0.91	1.05	1.96	2.37	0.22	0.83	3.20	1.24
Ashland Rail Transit District[2]	NA	NA	NA	0.17	------	------	0.17	0.17
Framingham[2]	12.64	12.69	25.33	15.23	2.70	9.99	25.22	-0.11
Natick[2]	5.89	9.57	9.57	7.62	2.13	7.44	15.06	-0.40
Total	19.44	23.31	42.75	25.39	5.05	18.26	43.65	0.90

1988 Approved Net IBT Capacity

	1984 Peak Flows			2020 Peak Flow Capacity				
	Peak Sanitary Flow	Peak I/I	Total Peak Flow	Peak Sanitary Flow	I/I Removal	Peak I/I Flow	Total Peak Flow	Change in IBT 1984 to 2020
Ashland	0.91	1.05	1.96	2.31	0.20	0.85	3.16	1.20
Framingham	12.64	12.69	25.33	16.04	1.80	10.89	26.93	1.60
Natick	5.89	9.57	9.57	7.79	1.10	8.47	16.26	0.80
Total	19.44	23.31	42.75	26.14	3.10	20.21	46.35	3.60

To calculate 2020 peak I/I flow, subtract 2020 I/I removal from 1984 Peak I/I
To calculate 2020 Net Increase in IBT, subtract 2020 Total Peak Flow from 1984 Total Peak Flow

[1]This amended table will go into effect once the agreement between Framingham and JPI is signed
[2]The reallocation of the final 0.04 mgd out of the 0.17 mgd is subject to future agreements providing for adequate I/I removal and other consideration to the Town of Framingham, as described in the agreement.